

Please amend Table 1 on page 7 as follows:

TABLE 1

No.	THICKNESS OF THE RESPECTIVE LAYERS IN NM														
	CoFe	Ru	CoFe	Ru	CoFe	Ru	CoFe	Ru	CoFe	Ru	CoFe	Ru	CoFe	Ru	CoFe
2	4	0.8	4												
3	2	0.8	4	0.8	2										
4	2	0.8	2	0.8	2	0.8	2								
5	1.4	0.8	2	0.8	1.4	0.8	2	0.8	1.4						
6	1.4	0.8	1.3	0.8	1.4	0.8	1.3	0.8	1.4	0.8	1.3				
8	1	0.8	1	0.8	1	0.8	1	0.8	1	0.8	1	0.8	1	0.8	1

*Number of non-adjacent ferromagnetic layers

IN THE ABSTRACT:

Please amend the abstract as follows:

“A robust GMR or TMR effect type multilayer structure comprises a free and a pinned ferromagnetic layer, with a wide magnetic field range as required, for example in automotive applications. An odd number of non-adjacent ferromagnetic layers is used in an exchange-biased Artificial Anti-Ferromagnet as the pinned layer, and the exchange biasing layer is made of an IrMn type material.”

IN THE CLAIMS:

1. (Amended) A magneto-resistive device comprising [a substrate which carries] a free and a pinned ferromagnetic layer separated by a non-magnetic spacer layer therebetween for providing a magnetoresistive effect, said pinned layer comprising an artificial antiferromagnet layer system (AAF), and an exchange biasing layer, the exchange biasing layer being adjacent to and magnetically influencing the AAF layer system wherein the AAF layer system has an odd number of non-adjacent ferromagnetic layers greater than or equal to three, and said exchange biasing layer is